REMARKS

Applicant has amended the above-identified application in response to the Office Action dated July 20, 2004. The Office Action followed the Appeal Board's decision and opinion of March 18, 2004 and Applicant's preceding amending response of May 17, 2004.

In brief, claims 1-3 and 5-10 remain pending in the application, with each of independent claims 1, 9 and 10 having been further amended to both overcome the indefiniteness rejections raised, as well as the reciting of the Hand and Glovak references in a new rejection of the claims.

Addressing first the indefiniteness rejection of page 2, paragraph 2, Applicant respectfully submits that the Examiner is simply incorrect in his position regarding elliptically extending surfaces, as it applies to both the Hand reference and the present application. Specifically, the Examiner asserts the position that Fig. 3 of the drawings in the present application illustrates surfaces which are convex arcs, however it is unclear how they may be defined and claimed as being part of an ellipse and not part of a circle.

Applicant encloses, with this response, pages copied from the American Heritage Dictionary, as pertaining to definitions for both the terms "convex" and "ellipse". Specifically, the term "convex", as specifically defined in the Hand disclosure, is defined as having a surface or boundary that curves or bulges outward, as the exterior of a sphere. While the illustration accompanying this definition identifies a generally hemispherical shape, it is understood that more flattened (yet consistent) curvatures, such as which are identified in the Hand disclosure, fall within the scope of "convex" as defined.

In contrast, and referencing further the term "ellipse", the dictionary both recites and illustrates the definition of this term as being a plane curve formed by: a. A conic section taken

neither parallel to an element nor parallel to the axis of the intersected cone. b. The locus of points the sum of the distances of each of which from two fixed points is the same constant.

When comparing the illustrations taken from the dictionary definition for "ellipse", in particular to the illustration of Fig. 3 in the present application, it is clear that the configuration of the present article is elliptical and NOT convex as alleged.

Addressing further the Examiner's application of the Board's comments in the written opinion, the Board stated that, though, the term "convex" encompasses elliptically extending surfaces, it also embraces a number of other regular (e.g. circular) and irregular surfaces which are not elliptically extending. Under these circumstances, it was submitted that the broad disclosure by Hand that the surfaces 48 and 54 are convex is not sufficient to meet the limitation of claim 1 (or claims 9 and 10) calling for the faces to be elliptically extending.

In the present case, and having established that the elliptical surfaces of the present design (as recited in each of independent claims 1, 9 and 10) are limited to being solely elliptical and not convex in shape (as again further supported by the attached definition of an ellipse). It is therefore submitted that application of the Board's comments against the assertion of convex shaped surfaces, in the present claims, is inappropriate.

Having conclusively established that a specifically elliptical surface precludes a finding of obviousness by a convex surface (and consistent with Board's opinion), it is further submitted that the application, by virtue of amended independent claims 1, 9 and 10, overcomes the Hand and Glovak references. Applicant has further amended each of the independent claims to further clarify the feature of the substantially solid body interior, bounded by the interior elliptical cavity and the outer elliptical perimeter.

Neither Hand nor Glovak, in particular Hand, teach or suggest a solid interior boundary (see at 17 in the present illustrations and the detailed description) and which in particular surround the perimeter extending edge associated with the interior cavity. The variant of Fig. 5 in Hand, as supported by the disclosure of column 2, line 74 through column 3, line 20, illustrates and describes upper and lower body members adhered together about a perimeter edge and such that they create in combination a convex shaped article exhibiting an interior and concave shaped air pocket 57.

Reviewing again Fig. 5 of Hand closely, no solid interior exists for this article, as the thickness of the outer boundary, from center to perimeter edge, retains a uniform thickness. Glovak neither teaches nor suggests the features recited and argued above as to claims 1, 9 and 10 and, accordingly, is submitted to likewise be overcome by the distinguishing features associated with the amended claims.

In view of the above, it is submitted that the application is (finally) in appropriate condition for allowance and such action is favorably requested. Attorney for Applicant would encourage a call from the Examiner at (248) 647-6000 with any questions the Examiner may have.

Respectfully submitted,

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Serial No. 09/837,824 Response to Office Action of July 20, 2004

CERTIFICATE OF MAILING BY "EXPRESS MAIL" CERTIFICATE OF MAILING BY "EXPRESS MAIL" CERTIFICATE OF MAILING BY "EXPRESS MAIL"

DATE OF DEPOSIT October 13, 2 ood

I hereby certify that this paper or fee (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office To Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Judith T. Lange



EXHIBIT "A"

Related pages from American Heritage Dictionary for the terms "convex" and "ellipse"



THE AMERICAN HERITAGE DICTIONARY OF THE ENGLISH LANGUAGE

; direct; regulate. 2. To experiment or by comerify (an account, for for comparison. contr. 1. Authority or 2. A restraining act or parison for checking or 4. Usually plural. An to operate, regulate, or lism. A spirit presumed inglish controllen, from al Latin contrarotulare, register, from contraro-Latin contra-, against, om rota, wheel (see reticon-trol'la-ble adi. antitative characteristic etermined from small, luated with respect to zontal lines above or average-value of the

which the variable facchanging one at a time

ise to a military attack to avoid nuclear war. -trol-ler (for sense 2) o audits accounts and oration or of a governm, as in a vehicle or

ket or similar missile of a rocket or space-

aft to control the angle

ially a rudder, aileron, ircraft, guided missile,

i tower at an airport

adio.

1. Of, subject to, or troversy; disputatious. ·ly adv. s. 1. A dispute, espe-

s. 1. A dispute, especides holding opposing in such disputes. English controversie, s. turned against, disputes past partit + versus, past parti-pendix*).].

verting, -verts. 1. To to; deny. 2. To argue rROVERSY (by analogy

·ble adj. /oo-) adj. Obstinately —con'tu-ma'cious-ly

t., pl. -cies. Obstinate stubborn rebellious-liddle English contuumāx, stubborn, dis-

-təm-lē) n., pl. -ties. speech; insolence. English contumelie, insult, reproach. See sus (-mē'lē-as) adj.

-tusing, -tuses. To c. (Middle English m Latin contundere -con-tu'sion n in which a fanciful dem admitting of no a mock-Latin uni-

redominantly urban areas; metropolitan i) + -ATION.]

lescing, lesces. To [Latin convalescere : g, from valere, to be

Gradual return to riod needed for this.

or process of trans-it transfer by fluid ity that result from ised by an external transfer of heat or otion within the atsted upward. [Late gether, bring along:

judge/k kick/l lid, sauce/sh ship, dish/

com-, together + vehere, to carry (see wegh- in Appendix*).]
-con-vec' tion-al adi, —con-vec' tive adj. —con-vec' tive-ly adv.
con-vec-tor (kan-vek'(tar) n. A partly enclosed, directly heated
surface from which warm air circulates by convection.
surface from which warm air circulates by convection.
con-vene (kan-ven') v. -vened, -vening, -venes. —intr. To assemble, usually for an official or public purpose; meet formally.
-tr. 1. To cause to come together or assemble: convoke. 2. To
summon to appear, as before a court of law. [Middle English
convenen. from Old French convenir, to come together, meet,
hence agree, be suitable, from Latin convenire: com-, together
+ venire, to come (see gwà- in Appendix*).] —con-ven'a-ble
add. —con-ven'er n.

+ venire, to come come come and property and

convenience (kan-ven'yans) n. Also rare convenients usual(-yan-sè) pl. -cies. 1. The quality of being convenient; suitability or handiness. 2. Personal comfort; material advantage.
3. Anything that increases comfort or makes work less difficult;
a convenient appliance, service, condition, or circumstance: "If
one's own car is a convenience, everybody else's is a nuisance."
(Joseph Wood Krutch). 4. British. A lavatory. —at one's convenience. When it is convenient.
con-ven-ient (kon-vēn'yant) adj. 1. Suited or favorable to one's
comfort, purpose, or needs. 2. Easy to reach; accessible. 3. Obsolete. Fitting and proper; appropriate. [Middle English, from
Latin convenients, present participle of convenier, to be suitable.
Sec convene.] —con-ven'ient-ly adv.
con-vent (kôn'yant, -věnt') n. 1. A community, especially of
nuns, bound by vows to a religious life under asuperior. 2. The
building or buildings occupied by such a community; especially,
a nunnery. [Middle English covent, from Old French, from
Medieval Latin conventus, from Latin, a coming together, assembly, from convenire, to come together, conventcon-vent-ti-cle (kon-věn'ti-kal) n. A religious meeting, especially
a secret or illegal one, such as those held by dissenters in England and Scotland in the 16th and 17th centuries. [Middle
English, from Latin conventiculum, a place of meeting, diminutive of conventus, assembly, CONVENT.] —con-ven'ti-cler n.
con-ven-tion (kon-věn'shan) n. Abbr. conv. 1. A formal assembly or meeting of members, representatives, or delegates of a
group, such as a political party or fraternal society. 2. The
body of persons attending such an assembly. 3. An agreement
or compact; especially, an international agreement dealing with
a specific subject, as the treatment of war prisoners. 4. General
agreement on or acceptance of certain practices or attitudes.
5. A practice or procedure widely observed in a group, especially to facilitate social intercourse; custom. 6. A widely used
and accepted device or technique, as i ventio, assembly, agreement, from convenire, to come together,

convention al (kon-věn'shan-al) adj. 1. Developed, established, or approved by general usage; customary. 2. Conforming to established practice or accepted standards. 3. Marked by or dependent upon conventions, to the point of artificiality. 4. Art. Represented in simplified or abstract form. 5. Law. Based upon consent or agreement; contractual. 6. Of or having to do with an assembly. 7. Using means other than nuclear weapons or energy.—con-ven'tion-al-ism'n.—con-ven'tion-al-ist / kan-věn'sha-nāl'-al' n. pl. -ties. 1. The state, quality, or character of being conventional. 2. A conventional act, principle, or practice.—the conventionalistes. The rules of conventional social behavior.

con-ven-tion-eer (kon-věn'sha-nîr') n. One who attends a convention-eer (kon-věn'sha-nîr') n. One pretaining to a convention.

vention.

con-ven-tu-al (kon-ven'choo-əl) adj. Of or pertaining to a convent.

-n. A member of a convent.

Con-ven-tu-al (kon-ven'choo-əl) n. A member of a branch of the Franciscan or convent that permits the accumulation and possession of company accounts.

sion of common property.

con-verge (kɔn-vūrj') y. verged. verging. verges. —intr. 1. To approach the same point from different directions; tend toward a meeting or intersection. 2. To tend or move toward union or toward a common conclusion or result. 3. Mathematics. To approach a limit. Compare diverge. —tr. To cause to converge. [Late Latin comergere, to incline together: Latin comety to bend, turn, incline (see wer-3 in Appendix*).] con-vergence (kən-vūrjəns) n. Also con-vergen-cy (-jən-sē) pl. -cies. 1. The act, condition, quality, or fact of converging. 2. Mathematics. The property or manner of approaching a limit such as a point, line, surface, or value. 3. The point or degree of converging. 4. Physiology. The coordinated turning of the eyes inward to focus on a nearby point. 5. Biology. The adaptive evolution of superficially similar structures, such as the wings of birds and insects, in unrelated species subjected to similar environments. —con-vergent adj. con-ver-sance (kōn/vər-səns) n. Also con-ver-sance (-sən-sē). The state of being conversant; familiarity. Used with with.

con-ver-sance (kon'vor-sans) n. Also con-ver-sancy (-san-se). The state of being conversant; familiarity. Used with with. con-ver-sant (kôn'vor-sant, kon-vūr'-) adj. Familiar, as by study or experience. Used with with. [Middle English conversant, from Old French conversant, from Latin conversant, present participle of conversari, to associate with, CONVERSE.]

—con'ver-santily adv. con-ver-sa-tion (kŏn'vər-sā'shən) n. 1. An informal spoken excon-ver-sa-tion (kon vor-sa'shan) n. 1. An informal spoken exchange of thoughts and feelings; a familiar talk. 2. Social intercourse; close association. 3. Rare. Close acquaintance, as with an object of study. 4. Obsolete. A circle of acquaintances; one's associates. 5. Obsolete. Manner of life; behavior. con-ver-sa-tion-al (kŏn'vər-sā'shən-əl) adj. 1. Of, pertaining to,

t tight/th thin, path/th this, bathe/ŭ cut/ûr urge/v valve/w with/y yes/z zebra, size/zh vision/ɔ about, item, edible, gallop, circus/ à Fr. ami/œ Fr. feu, Ger. schön/ü Fr. tu, Ger. über/KH Ger. ich, Scot. loch/N Fr. bon. *Follows main vocabulary. †Of obscure origin.

or in the style of conversation. 2. Adept at or given to conver-

or in the style of conversation. 2. Adept at or given to conversation. —con'versa'tion-al-ist (kôn'var-sā'shən-əl-ist) n. Also conversation-al-ist (kôn'var-sā'shən-əl-ist) n. Also conversation-ist (shan-ist). One given to or skilled at conversation. conversation piece. 1. A kind of genre painting, especially popular in the 18th century, depicting a group of fashionable people. 2. An unusual object that arouses comment or interest. con-ver-sa-zi-o-ne (kôn'var-sāt'sē-ŏ'nē; Italian kôn'vār-sāt'sō'nā; n. pl. -nes or -ni (-nē). A meeting for conversation or for discussion, especially of art. [Italian, "conversation," from Latin conversātiō, from conversārī, to converse (kon-virs') intr. v. -versed, -versing, -verses. 1. To engage in spoken exchange of thoughts and feelings; talk. 2. Rare. To consort: associate. —See Synonyms at speek. —n. (kôn'vūrs'). 1. Spoken interchange of thoughts and feelings; conversation. 2. Rare. Social intercourse. [Middle English conversen, to dwell, associate with, from Old French converser, from Latin conversārī, to associate with: com-, with + versārī, to live, occupy oneself, from versāre, frequentative of vertere, to turn (see wer-3 in Appendix*).]
con-verse² (kon-vūrs', kôn'vūrs') adj. Reversed, as in position, order, or action; contrary. —n. (kôn'vūrs'). 1. Something that has been reversed; the opposite. 2. Logic. A proposition obtained by conversion. [Latin conversus, past participle of convertere, to turn around. See convert.] —con-verse'ty (kon-vūrs') ād.

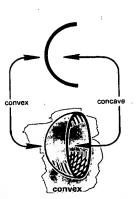
nas peen reverseu; une opposite. 2. Logic. A proposition tained by conversion. [Latin conversus, past participle of convertere, to turn around. See convert.]

—con-verse'ly (kan-vûr'lê) adv. con-version (kan-vûr'zhan, shan) n. 1. The act of converting. 2. The state of being converted. 3. A change in which one adopts a new religion. 4. A change from one belief, opinion, or practice to another. 5. Law. a. The unlawful appropriation of another's property. b. The changing of real property to personal property or vice versa. 6. Finance. The exchange of one type of security or currency for another. 7. Logic. The interchange of the subject and predicate of a proposition. 8. Foolball. A score made on a try for a point or points after a touchdown. 9. Psychiatry. The symbolic manifestation of repressed ideas or impulses in motor or sensory abnormalities such as paralysis. In this sense, also called "conversion hysteria." [Middle English conversion, from Old French conversion, from Latin conversio. from convertere, to turn about, convert.]—con-vert (kan-vūrt') v. verted. verting. verts. —ir. 1. To change into another form, substance, state, or product; transform; transmute: convert water into ice. 2. To persuade or induce to adopt a particular religion, faith, or belief. 3. To change from one use, function, or purpose to another; adapt to a new or different purpose. 4. To exchange for something of equal value. 5. Finance. To exchange (a security or bond, for example) by substituting an equivalent of another form. 6. To express (a quantity) in alternative units. 7. Logic. To transform (a proposition) by conversion. 8. Law. a. To appropriate without right (another's property) to one's own use. b. To change (property) from real to personal, from joint to separate, or vice versa. —intr. 1. To be converted undergo a change. 2. Foolball. To make a conversion. —See Synonyms at change. —n. (kŏn'vūrt'). One who has been converted, especially from one religion or belief to another. [Middle English converten, from Old French convert

wentible into pounds. —n. 1. A convertible automobile. 2. That which can be converted. —con-vert'i-bit'-t-y. con-vert'i-ble-ness n. —con-vert'i-bit adv. con-vert'i-bit'-t-y. con-vert'i-plane (kon-veks) adj. Having a surface or bound-anythateunives. or builde soutward: as the exterior of a sphere. Compare 'concave. [Latin convex.'] arched, convex. See convex. See convex.'] —con-vex.' arched, convex. See convex.'] —con-vex.'] —con-vex.'] —con-vex.'] —con-vex.'] —con-vex.'] —con-vex.'] —con-vex'so-kon-kav') adj. 1. Concavo-con-vex. (kon-vek'so-kon-veks') adj. 1. Concavo-con-vex. (kon-vek'so-kon-veks') adj. Convex on both sides; doubly convex. bicon-vex.'] —con-vey. (kon-vek'so-kon-veks') adj. Convex on carry from one place to another; to transport. 2. To serve as a medium of transmission for; to conduct; transmit. 3. To communicate or make known; impart: 'a look intended to convey sympathetic comprehension' (Sakt). 4. Lew. To transfer owner-ship of or title to. 5. Obsolete. To steal. [Middle English conveien, from Old French conveier, from Medieval Latin conviare, to go with, escort: Latin com-, with + via, way (see wei-2 in Appendix').] —con-vey's-ble adj.

Synonyms: convey, carry, bear, transport, transmit, transfer. These verbs refer to the movement of something from one place vests.







conversation piece Detail from "The Cholmondeley Family," a conversation piece by William Hogarth, 1732



Elizabeth I portrait by an unknown artis painted about 1575

to spurn the masses" (Christopher Morris). b. A narrow and powerful clique: "Twentieth-century show business has a small and incomparable elite" (Kenneth Tynan). 2. A size of type on a typewriter, equal to ten points. [French élite, from Old French estite, feminine past participle of estire, to choose, from Vulgar Latin exlegere (unattested), variant of Latin eligere. ELECT.]—e-lite' adj.
—e-lite' adj. e. lite'ism (i-lè'tiz'om) n. Also é-liteism (i-lè'tiz'om). 1. a. Belief in rule by an elite. b. Rule or domination by an elite. 2. A sense of being part of a superior or privileged group: intellectual elitism. —e-lit'ist adj. & n.
e-lix-ir (I-lik'sar) n. 1. A sweetened aromatic solution of alcohol and water, containing or serving as a vehicle for medicine. 2. Any medicinal potion thought to have generalized curative or restorative powers. 3. Alchemy. a. A substance believed to have the power to transmute base metals to gold. Also called "philosopher's stone." b. A substance believed to have the power to cure all human disorders. Also called "philosopher's stone." b. A substance believed to have the power to cure all human disorders. Also called "philosopher's from the distance were often regarded as one. 4. The quintessence or underlying principle of anything. [Mid-like Escribe delixer from Medicing Letting from Archive of the restored the service of the regarded as one.

"elixir of life." In three substances were often regarded as one.

4. The quintessence or underlying principle of anything. [Middle English elixir, from Medieval Latin, from Arabic al-iksīr,
"the elixir": al-, the + iksīr, perhaps from Greek xērion, dry
powder medicine, from xēros, dry (see ksero- in Appendix*).]

E-liz-a-beth¹ (I-liz'a-bəth). Also E-lis-a-beth. A feminine given
name. [Middle English, from Late Latin, from Greek Eleisabeth, Elisabet, from Hebrew Elishebha¹, probably "one to
whom God is an oath": 'El, God + shebha¹, oath, related to
shibha āh, seven, and nishabā¹, he swore (because seven was a
sacred number upon which oaths were taken)!

E-liz-a-beth² (I-liz'a-bəth). The mother of John the Baptist and wife of Zacharias, and a kinswoman of Mary. Luke 1. while of Zacharias, and a kinswoman of Mary, Luke 1.

E-liz-a-beth (I-liz'a-beth). A city in northeastern New Jersey, on Newark Bay. It was the first provincial capital of New Jersey (1668-86). Population, 113,000.

E-liz-a-beth I (I-liz'a-beth). 1533-1603. Queen of England and Ireland (1558-1603).

E-liz-a-beth II (I-liz'a-beth). Full name, Elizabeth Alexandra

Mary, Born 1926. Queen of Great Britain and Northern Ireland (since 1952).

(Since 1922).

Filiz-a-be-than (I-liz'a-be'than, -beth'an) adj. Pertaining to or characteristic of the reign of Elizabeth I: Elizabethan drama.

_n. An Englishman of the second half of the 16th century. Elizabethan sonnet. A Shakespearean sonnet (see).

Elizabethan sonnet. A Shakespearean sonnet (see). E-liz-a-beth River (1-liz'o-both). A short river of Virginia, entering Hampton Roads between Norfolk and Portsmouth. El Je-zi-ra. The Arabic name for Gezira. El Jib. The modern name for Gibeon. elk (člk) n., pl. elks or elk. 1. A North American deer, the wapiti (see). 2. A large deer, Alces alces, of northern regions, having large, palmate antlers, and called "moose" in North America. 3. A light, pliant leather of horsehide or calfskin, tanned and finished to resemble alk hide. [Middle English dies from Old

3. A light, phant leather of horsehide or caliskin, tanned and finished to resemble elk hide. [Middle English elke, from Old Norse elgr. See el-2 in Appendix.*] El Kha-lil. The Arabic name for Hebron. elk-hound (elk'hound') n. A hunting dog of a breed developed in Scandinavia, having a grayish-coat and a tail curled up over the back. Also called "Norwegian elkhound." Elk Mountains. A range of the Rocky Mountains in west-central Colorado. Highest elevation, 14,259 feet. ell' (el) n. A wing of a building at right angles to the main structure.

of the cibow to tip of the middle finger). See et-1 in Appendix.* Variant of el (letter).

s. The Modern Greek name for Greece

Elles. Mere Island (elz/mir). A feminine given name. [Variant of Helen.] Elles. mere Island (elz/mir). The largest (82,119 square miles) of the Queen Elizabeth Islands, Northwest Territories, Canada, constituting at its tip the northernmost point in North America.
El-lice Islands (&PIs). Formerly Lagoon Islands. A group of atolls in the southwestern Pacific Ocean, part of the British Western Pacific High Commission Protectorate of Gilbert and

Ellice Islands.
Ell-ing-ton (čl'ing-ton), Edward Kennedy ("Duke"). 1899–

Ell-ing-ton (Ell'ing-ton), Edward Kennedy ("Duke"). 1899–1974. American jazz composer, pianist, and conductor.
el-lipse (I-lips"). A plane curve formed by: a. A conic section taken neither parallel to an element nor parallel to the parallel to the intersected one. b. The locus of points the sum of the distances of each of which from two stixed points it be same constant. Black formation from two stixed points is the same constant. Black formation from two stixed points is the same constant. Black formation from two stixed points is the same constant. Black formation from two stixed points is the same constant. Black formation from two stixed points is the same constant. Black formation from two stixed points in the same constant which intersecting plane which forms a sparabola.

ola.] el-lip-sis. (I-lip'sis) n., pl. ses (-sez'). 1. Grammar. The omission of a word or words necessary for the complete syntactical construction of a sentence but not necessary for understanding it; for example, Stop laughing for You stop laughing. 2. A mark or series of marks (... or ***) used in writing or printing to indicate an omission of a word or words. [Latin ellipsis, from Greek elleipsis, a falling short, defect, from elleipein, to leave in or behind, leave out: en, in + leipein, to leave (see leikw-in Appendix*).]

el-lip-soid (I-lip'soid') n. A geometric surface whose plane sections are all either ellipses or circles. [ELLIPS(E) + -OID.] -el'lip-soi'dal adi.

el·lip·tic (I-lip'tik) adj. Also el·lip·ti-cal (-ti-kəl). 1. a. Of, pertaining to, or having the shape of an ellipse. b. Resembling or having the approximate shape of an ellipse. 2. Grammar. Connaving the approximate shape of an ethipse. 2. Ordinary. Containing or characterized by ellipsis; having a word or words omitted. [Greek elleiptikos, defective, from elleipein, to fall short. See ellipsis.] —el·lip'ti-cai-ly adv. elliptic geometry. Rlemennian geometry (see). el·lip-tic-i-ty (f-lip'tis'z-te) n. 1. Deviation from perfect circular, or spherical form toward elliptic or ellipsoidal form. 2. The

degree of such deviation

il-lis (čl'is), (Henry) Havelock. 1859-1939. British psychologist and man of letters.

El·lis Island (el/1s). An island, about 27 acres in area, in Upper New York Bay, the former leading U.S. immigration center. (1892-1943) and now part of the Statue of Liberty National Monument

El·li-son (čl'I-son), Ralph (Waldo). Born 1914. American author.

author.

Ells-worth (člz'wûrth'), Lincoln. 1880-1951. American explorer of the Arctic and Antarctic.

Ells-worth Land (člz'wûrth'). A high plateau of Antarctica, between Marie Byrd Land and the west coast of Weddell Sea.

El-lul. Variant of Elul.

elm (člm) n. 1. Any of various deciduous trees of the genus Ulmus, characteristically having arching or curving branches and widely planted as shade trees. 2. The wood of any of these trees. [Middle English elm. Old English elm. See el-2 in Appendix.*] —elm'y adj.

Fl Manesures (čl mān-ssūr²). A city of northern Egypt; sie el

pendix. ³ —elm'y adi.

El Man-su-ra (èl man-soor's). A city of northern Egypt; site of the defeat of Louis IX of France by the Mamelukes in 1250.

the defeat of Louis IA of France by the Mameilukes in 1250. Population, 147,000.

El-mi-ra (el-mi'ra). A city of southwestern New York State; the site-of Mark Twain's home and burial place. Population, 40,000, El Mis-st (el més'ta). A volcano, 19,166 feet high, in southern Peru, northeast of Arequipa.

Ferth, northeast of Arcquipa.

El Morro National Monument (ël morro). An area occupying 240 acres in western New Mexico, reserved to protect its cliff-dweller ruins and a sandstone rock bearing inscriptions by

citif-dweller ruins and a sandstone rock bearing inscriptions by early Spanish and other later explorers.

El O-beid (ël ō-bād'). The capital of Kordofan Province, Republic of Sudan, and an important transportation and trade center. Population, 52,000.

el-o-cu-tion (ël'o-kyōō'shan) n. 1. The art of public speaking, emphasizing gesture and vocal production and delivery. 2. The style or manner of public speaking. 3. An artificial, forced manner of speaking. [Middle English elocution, from Latin elocitics] to speak out.

style or manner of public speaking. 3. An artificial, forced manner of speaking. [Middle English elocucion. from Latin elocutios, from eloqui (past participle elocutus), to speak out: ex., out + loqui, to speak (see tolkw. in Appendix*).] —elocution-ery adi, —elocution-ist n.

E-lo-him (è-lô'him, ĕl'ō-hēm'). The Hebrew name for God most frequently encountered in the Old Testament. Compare Yahweh. [Hebrew Elôhim, plural of 'Elôah, God, possibly enlarged from 'El, God.] —E-lo'hism' n.

E-lo-hist (è-lō'hist) n. The author of the passages of the Hexateuch in which the name Elohim is used to designate God rather than the name Yahweh. —El'o-hist'tic adj.

e-loign (i-loin') tr.v. eloigned, eloigning, eloigns. Archaic. To remove or carry away (property). [Middle English eloynen, from Old French esloignier, from Vulgar Latin exlongāre (unattested), variant of Late Latin ēlongāre: Latin ex- away + longē. far away, distant, from longus, long (see del-) in Appendix*).]

longe, far away, distant, from longus, long (see dei-' in Appendix*).

El-o-ise (ĕl'ō-wēz', ĕl'ō-wēz'). A feminine given name.

{French Héloise, from Germanic. See kailo- in Appendix.*]

e-lon-gate (l-lông'gāt', l-lông'-) v. gated, gating, gates. —tr.

To lengthen or extend. —intr. To grow in length. —adj.

1. Lengthened; extended. 2. Slender. [Late Latin elongare: Latin ex- out + longus, long (see del-' in Appendix*)]

e-lon-ga-tion (l-lông'gā'shən, i-lòng'-, ē'lòng-, ē'lòng-) n.

1. The act of elongating or the condition of being elongated.

2. Something that elongates: an extension.

2. Something that elongates; an extension.

e-lope (i-lop') intr.v. eloped, eloping, elopes. 1. To run away with a lover, especially with the intention of getting married, usually without parental consent. 2. To run away; abscond. [Norman French aloper, legal term applied to a wife who ran away with her lover, from Middle English alopen (unattested), past participle of alepen (unattested), to run away: a - (away) + lepen, to run, leap, Old English hleopan (see klou- in Appendix*).] —e-lope'ment n. —e-lop'er n. el-o_quence (ël'o-kwons) n. 1. Persuasive and fluent discourse.

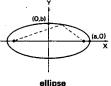
el-o-quence (e'-a-kwans). 1. Persuasive and fuent discourse.
2. The ability or power to persuade with such discourse.
el-o-quent (él'a-kwant) adj. 1. Persuasive, fluent, and graceful in discourse. 2. Vividly or movingly expressive of an emotion:
"Each face eloquent of polite misgiving" (Evelyn Waugh).
[Middle English, from Old French, from Latin eloquens, present participle of eloqui, to speak out. See elocution.] —el'o-quent-ly

adv. —el'o-quent ness n.

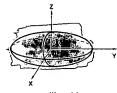
El Pas-o (el pás'ò). A city of Texas, in the west on the Rio
Grande directly opposite Ciudad Juárez, Mexico. Population,

322 000 El Salva-dor (él sál'va-dòr'; Spanish él sál'va-thòr'). Officially, Republic of El Salvador. A country of Central America, in the west on the Pacific Coast. Population, 3,400,000. Capital, San

Salvacor. El-sass-Lo-thring-en. The German name for Alsace-Lorraine. else (éls) adj. 1. Other; different: somebody else. 2. In addition: additional; more: Would you like anything else?—adv. 1. In a different time, place, or manner; differently: How else could it be done? 2. If not; otherwise: Be careful, or else you will make a



The equation of the ellipse shown is $\frac{x^2}{x^2}$



ellipsoid The equation of the ellipsoid shown is $\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 1$



El Salvador

ā pat/ā pay/âr care/ā father/b bib/ch church/d deed/ē pet/ē be/f fife/g gag/h hat/hw which/i pit/ī pie/ir pier/j judge/k kick/l lid, needle/m mum/n no, sudden/ng thing/ō pot/ō toe/ō paw, for/oi noise/ou out/ōō took/ōō boot/p pop/r roar/s sauce/sh ship, dish/

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